

## CLAIMS

What I claim is:

*is metal.*

1. A treated substrate comprising  
a finish comprising solid compounds selected from the group consisting of metal  
particles, metal salts, metal oxides, and any combinations thereof, and  
a substrate selected from the group consisting of a yarn, a fabric comprised of individual  
fibers, and a film;  
wherein said finish is adhered to at least one portion of the surface of said substrate;  
wherein said finish is integrally retained on said at least one portion of the surface of said  
substrate, after 10 washes as performed in accordance with the wash procedure of AATCC Test  
Method 130-1981, in an amount of at least 30% of the amount of said finish present on said at  
least one portion of the surface of said substrate prior to the performance of any wash procedure.

2. The substrate of Claim 1 wherein said substrate is an individual yarn.

3. The substrate of Claim 1 wherein said substrate is a textile fabric.

4. The substrate of Claim 1 wherein said finish comprises silver particles.

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5. The substrate of Claim 1 wherein said treatment is integrally retained in an amount of at least 30% after 20 washes.
6. The substrate of Claim 5 wherein said treatment is integrally retained in an amount of at least 30% after 30 washes.
7. The substrate of Claim 5 wherein said substrate is an individual yarn.
8. The substrate of Claim 5 wherein said substrate is a textile fabric.
9. The substrate of Claim 5 wherein said finish comprises silver particles.
10. The substrate of Claim 6 wherein said substrate is an individual yarn.
11. The substrate of Claim 6 wherein said substrate is a textile fabric.
12. The substrate of Claim 6 wherein said finish comprises silver particles.
13. A treated substrate comprising  
a finish comprising solids compounds selected from the group consisting of metal particles, metal salts, metal oxides, and any combinations thereof, and

a substrate selected from the group consisting of a yarn, a fabric comprised of individual fibers, and a film;

wherein said finish is adhered to at least one portion of the surface of said substrate;

wherein said at least one portion of said treated substrate exhibits a log kill rate for *Staphylococcus aureus* of at least 1.5 and a log kill rate for *Klebsiella pneumoniae* of at least 1.5 after 10 washes as performed in accordance with the wash procedure of AATCC Test Method 130-1981.

14. The substrate of Claim 13 wherein said substrate is an individual yarn.

15. The substrate of Claim 13 wherein said substrate is a textile fabric.

16. The substrate of Claim 13 wherein said finish comprises silver particles.

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